

## I. Material Safety Data Sheet

**Product Name (Trade Name):** Ferrotrace  
**Catalog Number:** 2090  
**Manufacturer:** Mistral Security, Inc.  
**Emergency Telephone Numbers:** 301-913-9366

Date reviewed: 04/15/96

## II. Hazardous Ingredient /Identity Information

Component	CAS#	Percent w/v	PEL (OHSA) mg/M3	TLV (ACGIH) mg/M3
PDT	1046-56-6	Less than 1%	No data	No data
Acetone	67-64-1	30-35	1800	1780
Ethyl-Alcohol	64-17-5	5-10	1900	1900
Propellant (DME)	115-10-6	55-60	1910	1910

## III. Physical/Chemical Characteristics

**Appearance and Odor:** Yellowish liquid, slight acidic odor

**Boiling Point:** <0°C, 60°C (Liquid phase).

**Vapor Pressure:** 4bar @ 20 ° C.

**Specific Gravity:** ≈0.8 (Liquid phase).

**Evaporation Rate (Butyl Acetate):** No data.

**Vapor Density:** >1

**Solubility in Water:** Soluble

**Melting Point:** <-40° C

**pH:** 3.

**Decomposition Temperature:** No data.

## IV. Fire and Explosion Hazard Data

**Flammability:** Flammable aerosol composition.

**Flash Point:** -17°C(Liquid phase), -41°C(Propellant).

**Upper explosion limits:** 18.6%(Propellant).

**Lower explosion limits:** 3%(Propellant).

**Extinguishing Media:** Carbon Dioxide, Foam, Sand.

**Fire fighting Procedures:** Use water spray to cool fire exposed aerosol containers when feasible, for containers can rupture violently from heat developed pressure.

**Unusual Fire Hazardous:** May release CO, CO<sub>2</sub>, SO<sub>2</sub> at high temperatures.

## IV. Reactivity Data

**Stable:** Yes

**Corrosive:** No

**Hazardous Polymerization:** Will not occur.

**Incompatibility:** Strong oxidizing material.

**Hazardous Decomposition:** No hazardous decomposition products known.

**Condition to avoid:** High temperature.

## VI. Health Hazard Data

**Routes of Entry and First Aid Procedures:**

**Eyes:** Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the lower and upper lids.

**Inhalation:** For inhalation discomfort, remove to fresh air.

**Skin:** Wash skin with water and mild soap or waterless hand cleaner.

**Ingestion:** Entry by mouth drink plenty of water, seek medical advice.

**Health Hazards:** **Acute:** Product concentration above the permissible exposure limit, may cause temporary respiratory tract discomfort and irritation of eyes and skin.

**Chronic:** No data. To the best of our knowledge the chemical, physical and toxicological properties have not been thoroughly investigated.

**Symptoms of Exposure:** Coughing or sneezing, Runny, watery eyes.

**Medical Conditions Aggravated:** No data.

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## VII. Precaution for Safe Handling and Use

**If material is spilled:** spills from aerosols cans are unlikely and are generally of small volume. Spill prevention is therefore not normally considered a problem. In case of actual spill or rupture, avoid breathing vapors and ventilate area well, remove all sources of ignition and use non sparking equipment. Soak up material with inert absorbents and place in safety containers for proper disposal.

**Waste Disposal Method:** Dispose in accordance with local, state and federal regulation.

**Precautions for Handling/Storing:** Use and store with adequate ventilation in a cool place.

**Other Precautions:** Do not expose to temperatures exceeding 50°C.

**DO NOT INCINERATE AEROSOL CANS**

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## VIII. Control Measures

**Respiratory protection:** NIOSH approved respiratory protection required when vapor concentration exceed TLV/PEL.

**Ventilation:** Sufficient to maintain below TLV.

**Protective Gloves:** Not required under normal use.

**Eye Protection:** Not required under normal use.

**Other Protective Equipment:** Not required.

**Work and Hygienic Practices:** Employ good industrial hygiene practices by using adequate ventilation and personal protection.

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The suggestions and data provided herewith are based upon tests and information which we believe to be reliable. The information is believed to be accurate and represents the best information currently available to us. However, we make no guarantee with respect thereto and assume no liability resulting from the use thereof. Users should make their own investigations to determine the suitability of the information or products for their particular purpose. Furthermore, nothing contained herein is intended as permission, inducement or recommendation to violate any laws or to practice any invention covered by existing patents.

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